ELSEVIER

Gene Structure and Expression

Vol. 1308, 1996

BBA Biochimica et Biophysica Acta

Cumulative contents

Information for Contributors *vii*

Short sequence-papers

Cloning of a novel member (ARL5) of the ARF-family of Ras-related GTPases
M. Breiner, A. Schürmann, W. Becker and H.-G. Joost (Germany) 1

Identification of a gene for a chemoreceptor of the methyl-accepting type in the symbiotic plasmid of *Rhizobium leguminosarum* bv. viciae UPM791
B. Brito, J.-M. Palacios, T. Ruiz-Argüeso and J. Imperial (Spain) 7

Molecular cloning and expression of the gene encoding *Chromatium vinosum* 2[4Fe-4S] ferredoxin
J.-M. Moulis (France) 12

Cloning of mouse prolidase cDNA: predominant expression of prolidase mRNA in kidney
T. Ishii, S. Tsujino, S. Matsunobu, F. Endo, K. Sato and N. Sakuragawa (Japan) 15

Cloning and sequence analysis of a hypothalamic cDNA encoding a D_{1c} dopamine receptor in tilapia
A.E. Lamers, D. Gröneveld, D.P.V. De Kleijn, F.C.G. Geeraedts, J.A.M. Leunissen, G. Flik, S.E. Wendelaar Bonga and G.J.M. Martens (The Netherlands) 17

SRY-related genes in *Xenopus* oocytes
S. Miyata, K. Miyashita and Y. Hosoyama (Japan) 23

Molecular cloning of the cDNA encoding a helix-loop-helix protein, mouse ID1B: tissue-specific expression of ID1A and ID1B genes
M.-C. Hernandez, P.J. Andres-Barquin and M.A. Israel (USA) 28

Regular papers

Maternal and zygotic expression of mRNA for *S*-adenosylmethionine decarboxylase and its relevance to the unique polyamine composition in *Xenopus* oocytes and embryos
J. Shinga, K. Kashiwagi, K. Tashiro, K. Igarashi and K. Shiokawa (Japan) 31

Convergent evolution. The gene structure of *Sulculus* 41 kDa myoglobin is homologous with that of human indoleamine dioxygenase
T. Suzuki, H. Yuasa and K. Imai (Japan) 41

Isolation and characterization of genomic and cDNA clones encoding mouse senescence marker protein-30 (SMP30)
T. Fujita, T. Shirasawa and N. Maruyama (Japan) 49

Purification and functional characterization of type II DNA topoisomerase from rat testis and comparison with topoisomerase II from liver
S. Galande and K. Muniyappa (India) 58

Cis-elements involved in differential expression of Na^+-K^+-ATPase $\alpha 2$ subunit gene in muscle differentiation
K. Ikeda and K. Kawakami (Japan) 67

Sequence of the gene encoding a highly thermostable neutral proteinase from *Bacillus* sp. strain EA1: expression in *Escherichia coli* and characterisation
D.J. Saul, L.C. Williams, H.S. Toogood, R.M. Daniel and P.L. Bergquist (New Zealand, Australia) 74

High-level secretion of fungal glucoamylase using the *Candida boidinii* gene expression system
Y. Sakai, M. Akiyama, H. Kondoh, Y. Shibano and N. Kato (Japan) 81

Naturally occurring splicing variants of the *hMSH2* gene containing nonsense codons identify possible mRNA instability motifs within the gene coding region
B. Marshall, G. Isidro and M.G. Boavida (Portugal) 88

Information for Contributors *v*

Rapid report

Expression of cDNA-encoded human acid α-glucosidase in milk of transgenic mice
A.G.A. Bijvoet, M.A. Kroos, F.R. Pieper, H.A. De Boer, A.J.J. Reuser, A.T. Van der Ploeg and M.Ph. Verbeet (The Netherlands) 93

Short sequence-papers

Novel transcribed sequences represented in the complex genomic region 5q13
K.E. Morrison, S.J. Qureshi, S. Anderson, J.P. Borrett, A. Theodosiou, N. Rodrigues, D. Blake, A. Nesbit, K.E. Davies, D.J. Porteous and A.J. Brookes (UK) 97

Cloning and characterization of murine endothelial constitutive nitric oxide synthase
K. Gnanapandithen, Z. Chen, C.-L. Kau, R.M. Gorczynski and P.A. Marsden (Canada) 103
Molecular cloning of the gene encoding RNA polymerase α subunit from deep-sea barophilic bacterium
K. Nakasone, C. Kato and K. Horikoshi (Japan) 107
Isolation of a murine glucose-dependent insulinotropic polypeptide (GIP) cDNA from a tumor cell line ($STC_{6\text{-}14}$) and quantification of glucose-induced increases in GIP mRNA
P.J. Schieldrop, R.W. Gelling, R. Elliot, J. Hewitt, T.J. Kieffer, C.H.S. McIntosh and R.A. Pederson (Canada, USA) 111
Genomic and cDNA structures of the gene encoding the chicken ZF5 DNA binding protein
H.S. Bhathal and W.E. Stumph (USA) 114
Molecular cloning of a cDNA encoding human ribosomal protein L39
S. Otsuka, M. Tanaka, S. Saito, K. Yoshimoto and M. Itakura (Japan) 119

Regular papers

Cloning, sequence and characterization of the human *AMPD2* gene: evidence for transcriptional regulation by two closely spaced promoters
D.K. Mahnke-Zizelman, F. Van den Bergh, M.T. Bausch-Jurken, R. Eddy, S. Sait, T.B. Shows and R.L. Sabina (USA) 122
Involvement of lysine 270 and lysine 271 of yeast 5S rRNA binding protein in RNA binding and ribosome assembly
L.-C.C. Yeh, M. Deshmukh, J.L. Woolford and J.C. Lee (USA) 133
Intracellular targeting and mRNA interactions of the eukaryotic translation initiation factor eIF4E in the yeast *Saccharomyces cerevisiae*
M. Ptushkina, S. Vasilescu, I. Fierro-Monti, M. Rohde and J.E.G. McCarthy (Germany) 142
Characterization of expression of phosphofructokinase isoforms in isolated rat pancreatic islets and purified beta cells and cloning and expression of the rat phosphofructokinase-A isoform
Z. Ma, S. Ramanadham, K. Kempe, Z. Hu, J. Ladenson and J. Turk (USA) 151
A possible involvement of melanocortin 1-receptor in regulating feather color pigmentation in the chicken
S. Takeuchi, H. Suzuki, M. Yabuuchi and S. Takahashi (Japan) 164
Specific interaction with guanine residues of Z-form DNA by bleomycin-nickel(III) complex
L.L. Guan, T. Morii, M. Otsuka and Y. Sugiura (Japan) 169

Information for Contributors *v*

Short sequence-papers and Promoter paper

Identification of a novel *Drosophila melanogaster* gene, *angel*, a member of a nested gene cluster at locus 59F4,5
U. Kurzik-Dumke and A. Zengerle (Germany) 177
BTF3 is evolutionarily conserved in fission yeast
J. Potashkin, K. Wentz-Hunter and J. Callaci (USA) 182
The human P_{2X1} receptor: molecular cloning, tissue distribution, and localization to chromosome 17
P.A. Longhurst, T. Schwegel, K. Folander and R. Swanson (USA) 185
Cloning and characterization of the *tyrB* gene from *Salmonella typhimurium*
Y. Nakai, H. Hayashi and H. Kagamiyama (Japan) 189
Two chicken repeat one (CR1) elements lacking a silencer-like region upstream of the chicken avidin-related genes *Avr4* and *Avr5*
M.J. Wallén, R.A. Keinänen and M.S. Kulomaa (Finland) 193
Sequence of the cDNA for the liver/non-muscle isoform of mouse cytochrome-*c* oxidase subunit VIII
G.J. Makris and M.I. Lomax (USA) 197
Characterization of the human myeloid cell nuclear differentiation antigen gene promoter
W.Y. Kao, L.L. Dworkin, J.A. Briggs and R.C. Briggs (USA) 201

Regular papers

Structure, mapping and expression of a human NOR-1 gene, the third member of the Nur77/NGFI-B family
N. Ohkura, M. Ito, T. Tsukada, K. Sasaki, K. Yamaguchi and K. Miki (Japan) 205
Specific detection of deleted mitochondrial DNA by in situ hybridization using a chimera probe
N. Nakamura, N. Hattori, M. Tanaka and Y. Mizuno (Japan) 215
Efficient and specific amplification of identified partial duplications of human mitochondrial DNA by long PCR
B. Fromenty, G. Manfredi, J. Sadlock, L. Zhang, M.P. King and E.A. Schon (USA) 222
Cloning and expression in *Escherichia coli* and *Saccharomyces cerevisiae* of a novel tobacco cytochrome *P*-450-like cDNA
M. Sugiura, T. Sakaki, Y. Yabusaki and H. Ohkawa (Japan) 231

Enrichment for gene targeting in mammalian cells by inhibition of poly(ADP-ribosylation)
B.C. Waldman, J.R. O'Quinn and A.S. Waldman (USA) 241

The nucleotide sequence of 5S ribosomal RNA from the parasitic nematode *Ascaris suum*. Evolutionary relationships in nematodes
M. Szymański, T. Opioła, M.Z. Barciszewska and J. Barciszewski (Poland) 251

Fatty acids selectively inhibit eukaryotic DNA polymerase activities in vitro
Y. Mizushina, N. Tanaka, H. Yagi, T. Kurosawa, M. Onoue, H. Seto, T. Horie, N. Aoyagi, M. Yamaoka, A. Matsukage, S. Yoshida and K. Sakaguchi (Japan) 256

The recombination mediated by double-strand breaks in extrachromosomal DNA substrate carrying mouse immunoglobulin switch regions Sμ and Sγ2b
K.-z. Kameyama, G. Sakaguchi, H. Haga, N. Shibata, M. Uryu and K. Sugimoto (Japan) 263

Cumulative contents, Vol. 1308 269

Author index 272